Form PTO-948 (1	Rev. 06/03)	
Application No	10,020,097	

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

e drawing(s) filed (insert date) 12-18-01	are:
A approved by the Draftsperson under 37 CFR 1.84	or 1.152.
B. objected to by the Draftsperson under 37 CFR 1.84	4 or 1.152 for the reasons indicated below. Corrected
drawings are required.	
4 DD 43/ID/CC 27 CCD 1 04/-). A	9 ADDANGEMENT OF VIEWS 27 CD 1 04(2)
1. DRAWINGS. 37 CFR 1.84(a): Acceptable	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
categories of drawings: Black ink or	Words do not appear on a horizontal, left-to-right
Color (3 sets required).	fashion when page is either upright or turned so
Color drawings are not acceptable until petition is	that the top becomes the right side, except for
granted. Fig(s)	graphs. Fig(s)
Pencil and non black ink not permitted. Fig(s)	9. SCALE. 37 CFR 1.84(k)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	Scale not large enough to show mechanism
One (1) full-tone set is required. Fig(s)	without crowding when drawing is reduced in
Photographs may not be mounted. 37 CFR 1.84(e)	size to two-thirds in reproduction.
Photographs must meet paper size requirements of	Fig(s)
37 CFR 1.84(f). Fig(s)	10. CHARACTER OF LINES, NUMBERS, &
	LETTERS. 37 CFR 1.84(I)
Poor quality (half-tone). Fig(s)	Lines, numbers & letters not uniformly thick and
3. TYPE OF PAPER. 37 CFR 1.84(e)	
Paper not flexible, strong, white, and durable.	well defined, clean, durable, and black (poor line
Fig(s)	quality). Fig(s) ALL
Erasures, alterations, overwritings. interlineations,	11. SHADING. 37 CFR 1.84(m)
folds, copy machine marks not accepted.	Solid black areas pale. Fig(s)
Fig(s)	Solid black shading not permitted. Fig(s)
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable	12. NUMBERS, LETTERS, & REFERENCE
sizes:	CHARACTERS, 37 CFR 1.84(p)
21.0 cm by 29.7 cm (DIN size A4) or	Numbers and reference characters not plain and
21.6 cm by 27.9 cm (8 1/2x 11 inches)	legible. Fig(s) ALC
All drawing sheets not the same size.	Figure legends are poor. Fig(s) ALL
Sheet(s)	Numbers and reference characters not oriented in
Drawings sheets not an acceptable size. Fig(s)	the same direction as the view. 37 CFR 1.84(p)(
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Fig(s)
5. MARGINS. 37 CFR 1.04(g). Acceptante margins.	English alphabet not used. 37 CFR 1.84(p)(2)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	
Margins not acceptable. Fig(s)	Fig(s)
Top (T) Left (L)	Numbers, letters and reference characters must be
Right (R) Bottom (B)	at least 32 cm (1/8 inch) in height. 37 CFR
6. VIEWS. 37 CFR 1.84(h)	1.84(p)(3). Fig(s)
REMINDER: Specification may require revision to	13. LEAD LINES. 37 CFR 1.84(q)
correspond to drawing changes, e.g., if Fig. 1 is	Lead lines missing. Fig(s)
changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the	14. NUMBERING OF SHEETS OF DRAWINGS.
specification, at the Brief Description of the Drawings,	37 CFR 1.84(t)
must likewise be changed.	Sheets not numbered consecutively, and in Arabic
Views not labeled separately or properly.	numbers beginning with number 1. Sheet(s)
Fig(s) ALL	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	Views not numbered consecutively, and in Arabic
	numerals, beginning with number 1. Fig(s)
Sectional designation should be noted with	16. DESIGN DRAWINGS. 37 CFR 1.152
Arabic or Roman numbers. Fig(s)	
	Surface shading shown not appropriate.
	Fig(s)Solid black surface shading is not permitted exce
•	Solid black surface snading is not permitted exce
	when used to represent the color black as well as
	color contrast. Fig(s)
COMMENTS:	•
1 64055	0-19-05
iewer J. CHASE	Date 9-19-05
ou have questions, call (703) 305-8404.	Attachment to Paper No.